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Stantec

September 30, 2010
File: 183810338.206.000

Mr. William Ulibarri

VA Hospital Puget Sound Health Care System
1660 South Columbian Way
Seattle, Washington 98108

**Reference: Assessment Report - Asbestos and Lead Based Paint
B100**

VA Puget Sound Medical Center
1660 South Columbian Way
Seattle, Washington 98108

Dear Mr. Ulibarri:

Stantec Consulting Corporation (Stantec) appreciates the opportunity to provide you with the following limited asbestos and lead based paint survey. A project walk-through was performed at the Site referenced above on November 18, 2009, and the survey was performed on November 19 and 20, 2009. The purpose of this survey was to determine the presence of asbestos-containing materials (ACMs) and lead based paint (LBP) that would require special handling and/or disposal in accordance with applicable federal, state, and local regulations. It was mutually agreed upon that the scope of our services would be limited to accessible material only. This was done to minimize disruption to the occupied building(s). Assessment of concealed locations (wall cavities, attics, etc.) was not performed as a part of this preliminary survey. It was agreed that assessment of those locations will be performed after the buildings have been vacated. The survey findings and recommendations are provided below.

BACKGROUND

Stantec understands that the referenced site is scheduled for renovation that will include the seismic retrofitting of the nursing tower and nursing home care unit (portion of Building 100). The renovation work will involve the installation of seismic bracing throughout perimeter walls of the structure. The Nursing Tower is eight stories in height with interstitial floors located above each occupied floor. The total square footage is reported to be 180,000 gross square feet (gsf). The Nursing Home Care Unit (NHCU) occupies a single floor and consists of 38,000 gsf. Both of these structures were constructed circa 1985.

Each structure/building listed above was visually inspected for suspect ACMs and suspect LBP. The primary focus of the LBP survey was to collect bulk samples of paint observed to be in poor condition (peeling, loose, and/or flaking), which will require stabilization prior to demolition and/or disposal. Additional bulk paint chip samples of intact paint were also collected in an effort to better evaluate the potential for contamination upon commencement of the demolition/renovation project.

Mr. Dean Mochrie, Senior Project Manager with Stantec performed and/or managed the survey. Mr. Mochrie is accredited through the Environmental Protection Agency (EPA) as an asbestos Building Inspector and the State of Washington, Department of Commerce (DOC), as a Lead-Based Paint Risk Assessor (#6082). Ms. Danielle Manning and Ms. Alicia Falk assisted with the

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field activities performed in November 2009. All staff members performing field activities during the course of this project are accredited through the EPA as asbestos Building Inspectors. Access to the site was provided by Mr. Ed Boogaerts with VA Puget Sound Medical Center on November 18, 19, and 20, 2009.

Prior to commencing the field activities involved in this survey, prior survey reports were reviewed as provided by the VA. A brief summary of our review of the documents provided is included below. A copy of these documents is provided in Attachment A to this survey report.

Response Letter from Department of Veterans Affairs to GTE Telephone Operations, dated July 10, 1992, prepared by Barbara Thompson, Contracting Officer (herein referred to as "Response Letter"). The subject line to Response Letter reads "Asbestos, Bldg. 100, VA Medical Center, Seattle, WA". The Response Letter was apparently prepared because of a work stoppage issued by GTE requesting designation of areas containing asbestos within the building. According to the Response Letter "...Building 100 was constructed of non-asbestos containing materials..." but lists the following exceptions/precautions:

- a. Prosthetics welding shop (room 143k) lined with non-friable transite board. Do not sand, grind or drill in this area.
- b. All counter tops in Laboratory and Histology are non-friable asbestos containing material. Do not sand, cut drill, or grind this material.
- c. Laboratory hoods contain transite. Do not sand, grind, or drill.
- d. Brake shoes in elevators contain asbestos containing material. Changing of the shoes should be accomplished using safe work practices.
- e. Floor tile throughout the medical center contains asbestos containing material. Do not sand or pulverize.

No other information regarding asbestos containing materials was included in the Response Letter.

SUSPECT ASBESTOS CONTAINING MATERIALS

Sampling and Analysis

A total of 107 bulk samples were collected and analyzed by Polarized Light Microscopy (PLM) in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R93/116, July 1993). Analysis was performed by EMSL Analytical, Inc. located in San Leandro, California. This laboratory is certified by the DOC and is a participant in the National Institute of Standards and Testing (NIST), National Voluntary Laboratory Accreditation Program (NVLAP). The laboratory is also accredited by the American Industrial Hygiene Association (AIHA). Please note, worker exposure to materials containing asbestos during construction related activities is regulated by the United States Department of Labor, Occupational Safety and Health Administration (OSHA) regulation [29 CFR 1926.1101] and the Washington State Department Labor Industries (WSDLI), [Washington Administrative Code (WAC) 296-62 (Asbestos in Construction Standard)]. The Federal OSHA and the WSDLI regulations provide guidance regarding worker protection during construction, renovation, or demolition activities. A summary of the laboratory analytical results is included in the table below. Laboratory analytical results are included in Attachment B and bulk sample logs are included in Attachment C.

Reference: **Assessment Report - Asbestos and Lead Based Paint**
B100 (Nursing Tower and NHCU)
VA Puget Sound Medical Center

Findings

The tables below provide a summary of the accessible suspect materials identified and sampled during this survey.

Table 1 – Asbestos Bulk Sample Analytical Results – Building 100 (Nursing Tower)

Sample No.	Homogeneous Material	Location of Material	Asbestos Content	Condition	Estimated Quantity	OSHA Definition	EPA Category
B100-01A, B100-01B, B100-01C, B100-01D, B100-01E, B100-01F, B100-01G	Fireproofing, white/gray	Throughout building	ND	Good	100,000 SF	NA	NA
B100-02A, B100-02B, B100-02C, B100-02D, B100-02E, B100-02F, B100-02G	Gypsum board	Throughout building	ND	Good	200,000 SF	NA	NA
B100-03A, B100-03B, B100-03C, B100-03D, B100-03E, B100-03F, B100-03G	Joint compound	Throughout building	ND	Good	75,000 SF	NA	NA
B100-04A, B100-04B, B100-04C	Duct insulation tape	Throughout building	ND	Good	10,000 LF	NA	NA
B100-05A, B100-05B, B100-05C	Thermal system insulation, mudded elbows	Throughout building	ND	Good	3,000 SF	NA	NA
B100-06A B100-06B B100-06C B100-06D B100-06E B100-06F B100-06G	Vinyl floor tile, beige	Throughout building	<1% Chrysotile	Good	100,000 SF	ACM	Cat I
B100-07A B100-07B B100-07C B100-07D B100-07E B100-07F B100-07G	Vinyl floor tile mastic, black	Throughout building	5% Chrysotile	Good	100,000 SF	ACM	Cat I
B100-08A, B100-08B, B100-08C, B100-08D, B100-08E, B100-08F, B100-08G	Cove base adhesive, brown	Throughout building	ND	Good	80,000 LF	NA	NA
B100-09A, B100-09B, B100-09C, B100-09D, B100-09E, B100-09F, B100-09G	Light duty concrete	Interstitial floors throughout building	ND	Good	80,000 SF	NA	NA

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Table 1 – Asbestos Bulk Sample Analytical Results – Building 100 (Nursing Tower – continued)

Sample No.	Homogeneous Material	Location of Material	Asbestos Content	Condition	Estimated Quantity	OSHA Definition	EPA Category
B100-10A, B100-10B, B100-10C	Fireproofing, white, patches	Throughout building	ND	Good	5,000 SF	NA	NA
B100-11A, B100-11B, B100-11C	Fire stop caulking, white	Throughout building	ND	Good	3,000 SF	NA	NA
B100-12A, B100-12B, B100-12C, B100-12D, B100-12E, B100-12F, B100-12G	Ceiling tile, 2' x 2', white with dots and fissures	Throughout building	ND	Good	100,00 SF	NA	NA
B100-13A, B100-13B	Carpet glue, yellow	Offices throughout floors 1 through 7	ND	Good	5,000 SF	NA	NA
B100-14A, B100-14B, B100-14C	Plaster, white	Throughout stairwells	ND	Good	30,000 SF	NA	NA
B100-15A, B100-15B, B100-15C	Seismic joint cover, black	Throughout building	ND	Good	80,000 SF	NA	NA

Table 2 – Asbestos Bulk Sample Analytical Results – B100 (Nursing Home Care Unit)

Sample No.	Homogeneous Material	Location of Material	Asbestos Content	Condition	Estimated Quantity	OSHA Definition	EPA Category
NHCU-01A, NHCU-01B, NHCU-01C	Fireproofing, white	Throughout basement and floor 1	ND	Good	10,000 SF	NA	NA
NHCU-02A, NHCU-02B, NHCU-02C, NHCU-02D, NHCU-02E	Gypsum Board	Throughout basement and floor 1	ND	Good	25,000 SF	NA	NA
NHCU-03A, NHCU-03B, NHCU-03C, NHCU-03D, NHCU-03E	Joint compound	Throughout basement and floor 1	ND	Good	5,000 SF	NA	NA
NHCU-04A, NHCU-04B, NHCU-04C	Duct insulation tape	Throughout basement and floor 1	ND	Good	5,000 LF	NA	NA
NHCU-05A, NHCU-05B, NHCU-05C	Ceiling tile, 2' x 2', white with dots and fissures	Throughout floor 1	ND	Good	30,000 SF	NA	NA
NHCU-06A, NHCU-06B, NHCU-06C	Cove base adhesive, brown	Throughout floor 1	ND	Good	5,000 LF	NA	NA
NHCU-07A, NHCU-07B, NHCU-07C	Vinyl floor tile, beige	Throughout floor 1	<1% Chrysotile	Good	30,000 SF	ACM	Cat I

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Table 2 – Asbestos Bulk Sample Analytical Results – B100 (Nursing Home Care Unit - continued)

Sample No.	Homogeneous Material	Location of Material	Asbestos Content	Condition	Estimated Quantity	OSHA Definition	EPA Category
NHCU-08A, NHCU-08B, NHCU-08C	Vinyl floor tile mastic, black	Throughout floor 1	5% Chrysotile	Good	30,000 SF	ACM	Cat I
NHCU-09A, NHCU-09B, NHCU-09C	Carpet glue, yellow	Men's locker room lounge	ND	Good	100 SF	NA	NA

Materials in **Bold** are identified as being positive for asbestos

ND = Non-detect

SF = Square Feet

LF = Linear Feet

NA = Not Applicable

ACM = Asbestos-Containing Material

Cat I = Category I Non-friable, ACM

The EPA and OSHA define an ACM as any material that contains more than one percent asbestos (>1%). The EPA further categorizes ACM as:

- *Category I nonfriable ACM* - asbestos containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos as determined using the PLM method.
- *Category II nonfriable ACM* - any material, excluding Category I nonfriable ACM, containing more than 1 percent asbestos as determined using the PLM method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- *Regulated asbestos-containing material (RACM)* - (a) Friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

The areas of impact within B100 are generally limited to the perimeter walls of the Nursing Tower and Nursing Home Care Unit. At the time of the completion of this assessment report, it was not known if the asbestos containing material identified below was going to be removed as a part of the abatement project. It is our understanding that the floors where renovation work is to be performed will not be occupied by VA staff. If the ACMs are to be removed as a part of the renovation project then each floor of B100 will be affected by asbestos abatement activities. The ACMs should be removed under appropriate abatement protocols. The specific areas of impact are illustrated on the architectural sheets AS 1.1.1 through AS 1.13.2 prepared by Stantec Architecture. The following ACMs were identified in B100:

- The beige 12" x 12" vinyl floor located in Building 100 has been determined to be a Category I, non-friable ACM for the purpose of NESHAP permitting (40CFR Part 61 Subpart M). Approximately 100,000 SF of this material was observed throughout the building. This material should be removed under Class 2 abatement procedures in accordance with OSHA standards for asbestos in Constructions (29CFR1926.1101).
- The black mastic associated with the asbestos-containing beige 12" x 12" vinyl floor tile in Building 100 has been determined to be a Category I, non-friable ACM for the purpose of NESHAP permitting (40CFR Part 61 Subpart M). Approximately 100,000 SF of this material

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was observed throughout the building. This material should be removed under Class 2 abatement procedures in accordance with OSHA standards for asbestos in Constructions (29CFR1926.1101).

- The beige 12" x 12" vinyl floor located in the Nursing Home Care Unit has been determined to be a Category I, non-friable ACM for the purpose of NESHAP permitting (40CFR Part 61 Subpart M). Approximately 30,000 SF of this material was observed throughout the building. This material should be removed under Class 2 abatement procedures in accordance with OSHA standards for asbestos in Constructions (29CFR1926.1101).
- The black mastic associated with the beige 12" x 12" vinyl floor tile in the Nursing Home Care Unit Building has been determined to be a Category I, non-friable ACM for the purpose of NESHAP permitting (40CFR Part 61 Subpart M). Approximately 30,000 SF of this material was observed throughout the building. This material should be removed under Class 2 abatement procedures in accordance with OSHA standards for asbestos in Constructions (29CFR1926.1101).

Asbestos is a hazardous substance. Its condition, handling and disposal are regulated by federal, state, and local agencies. Materials that contain asbestos generally do not pose a health threat unless the asbestos fibers are disturbed by renovation, construction or demolition, and may then become airborne and inhaled. Employees and contractors working in an area where asbestos is present must be informed of the type and location of the material.

The WSDLI require employers to implement specific work practices, which protect workers from airborne asbestos exposure, when materials are found to contain detectable concentrations of asbestos. Building materials, which contain even low levels of asbestos (trace amounts), can potentially generate concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted which adequately address worker health and safety during planned renovation or demolition activities involving these materials.

Removal of ACMs must be performed by a WSDLI-licensed asbestos abatement contractor. All asbestos removal activities must be conducted in accordance with state and federal Occupational Safety and Health Administration (WSDLI and OSHA) and local air quality management regulations.

SUSPECT LEAD BASED PAINTS

Sampling and Analysis

Seven (7) bulk paint-chip samples were collected from various locations throughout Building 100 and the Nursing Home Care Unit. The samples were submitted to EMSL Analytical, Inc. in Westmont, New Jersey for analysis by Flame Atomic Absorption Spectrometry following the EPA SW 846-3050B analytical protocol. This laboratory is accredited by the American Industrial Hygiene Association (AIHA Lab ID 100194) under the Environmental Lead Laboratory Accreditation Program (ELLAP) for bulk paint chip analysis. Please note, worker exposure to materials containing lead during construction related activities is regulated by the OSHA regulation [29 CFR 1926.62(a)] and the WSDLI, [Washington Administrative Code (WAC) 296-155-176 (Lead in Construction Standard)]. The Federal OSHA and the WSDLI regulations require worker protection during construction "where lead containing coatings or paint are present". The laboratory analytical results of the

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materials sampled during the field investigation are included in Attachment A and bulk sample logs are included in Attachment B.

Findings

The tables below provide a summary of the paint identified and sampled during this survey.

Table 3 – Lead Paint Analytical Results – Building 100 (Nursing Tower)

Sample Number	Sample Location	Paint Color	Material	Paint Condition	Quantity	Lead Content
B100-01	Beam, penthouse	Red	Metal	Intact	Throughout	45% (450,000 ppm)
B100-02	Wall, Elevator lobby	Tan	Gypsum board	Intact	Throughout	<0.011% (<110 ppm)
B100-03	Wall, Room 5C-123	Light blue	Metal/Gypsum board	Intact	Throughout	0.013% (130 ppm)
B100-04	Stair, Floor 5, west stairwell	Peach	Metal	Intact	Throughout west stairwell	<0.011% (<110 ppm)
B100-06	Wall, Room 1B-156	Purple	Metal/Gypsum board	Intact	Throughout	<0.010% (<100 ppm)
B100-05*	Room 1B-151C	Beige	Ceramic tile	Intact	500 SF	<40 mg/Kg

* - Glazed ceramic tile
ppm = parts per million
mg/Kg = milligrams per kilogram

Table 4 – Lead Paint Analytical Results – (B100) Nursing Home Care Unit

Sample Number	Sample Location	Paint Color	Material	Paint Condition	Quantity	Lead Content
NHCU-01	Wall, Room 116	Tan	Gypsum board	Intact	Throughout	<0.010% (<100 ppm)

ppm = parts per million

The EPA and DOC define a LBP as a material containing greater than 0.5% [5,000 parts per million or milligrams per kilogram (ppm or mg/kg)] lead. Additionally, worker exposure to materials containing lead during construction work is regulated by the Federal OSHA [29 CFR 1926.62(a)] and the WSDLI [(WAC) 296-155-176]. The Federal OSHA and the WSDLI regulations require worker protection during construction "...applies to all construction work where an employee may be occupationally exposed to lead".

The paint on the metal panel support beam located in the penthouse of Building 100 meets the definition of a LBP. It is expected that these metal support beams are located throughout B100. Additionally, the light blue paint on the walls throughout the building contains a concentration of lead that would require compliance with applicable portions of the Federal OSHA 29 CFR 1926.62 and the WSDLI WAC 296-155-176 (Lead in Construction Standards). If either of these materials are going to be affected by the renovation project, compliance with applicable portions of the Federal OSHA 29 CFR 1926.62 and the WSDLI WAC 296-155-176 (Lead in Construction Standards) would be required. The amount of lead in the remainder of the paint samples analyzed was either at or below the analytical method detection indicating a minimal risk of exposure.

Lead is a hazardous substance. Its condition, handling and disposal are regulated by federal, state, and local agencies. Lead in paint generally does not pose a health threat unless the material is disturbed or sufficiently deteriorated to produce dust, which may become airborne and inhaled or

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ingested. Contractors working in the facility should be informed of the type and location of lead-containing materials. Applicable worker protection regulations may apply depending on the work being performed.

RECOMMENDATIONS

It is recommended that asbestos-containing materials be removed by a licensed abatement contractor prior to renovation, refurbishing, or demolition activities in accordance with applicable federal, state, and local regulations as well as any project specifications that may be generated as a part of the project. If the entire area of asbestos containing material is not affected by renovation, refurbishing, or demolition activities, spot abatement of the material could be completed. This would entail only abating the affected areas. Asbestos abatement work should be performed in accordance with WSDLI WAC 296-62 (Asbestos in Construction Standard).

Washington State law requires LBP in poor condition be stabilized prior to demolition and disposal. None of the painted surfaces were observed to be in poor condition; however, construction activities may render a painted material to become poor. It is recommended that the LBP in poor condition, be stabilized prior to renovation, refurbishing, or demolition activities. Paint stabilization and/or abatement should be performed by a State of Washington, Licensed Contractor who maintains DOC trained and certified lead workers and supervisors. Additionally, the work should be performed in accordance with the OSHA 29 CFR 1926.62 (Lead – Safety and Health Regulations for Construction) and the WSDLI WAC 296-155-176 (Lead in Construction Standards).

It is recommended that a third party consultant, independent from the contractor, be retained to monitor abatement/demolition activities and provide final remediation clearance testing as appropriate during the demolition of the site structures.

LIMITATIONS

Reasonable efforts have been made by Stantec personnel to locate, sample, and/or identify suspect hazardous materials. Only unoccupied rooms were accessible to the field inspector during the course of this survey limiting the ability to assess all accessible materials. Based on the site observations, it is the opinion of the field inspectors that the materials collected represent the interior of the building assessed. However, for any facility the existence of unique or concealed materials and debris is a possibility. Additionally, it was mutually agreed upon that the scope of our services would be limited to interior accessible material only. This was done to minimize disruption to the occupied building(s) as well as reduce the possibility from water intrusion through exterior penetrations. In addition, sampling and laboratory analysis constraints typically hinder the investigation. Stantec does not warrant, guarantee or profess to have the ability to locate or identify all hazardous materials in a facility. Additionally, Stantec cannot warrant the effectiveness or damage thereof, at any of the patches or temporary repairs performed at sampling locations (carpet, drywall, roof, etc.). The intent of this report is to be used in planning for this renovation project only and is based on the scope of work provided to Stantec by the client. Should the scope of the renovation project change, Stantec recommends that an additional investigation, including but not limited to, a review of the revised scope of work, be performed to determine if hazardous materials will be impacted. This report is not intended to be a bidding document. Quantities of materials identified are estimates only and would need to be verified. Stantec attempted to access all interior areas of the structure; however, if during the course of the renovation project suspect ACMs or LBPs are discovered that are not included within this report, those materials should be treated as ACMs or, LBPs until additional sampling, analysis and/or assessment can be performed.

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The passage of time may result in a change in the environmental characteristics at this site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions and recommendations expressed in this report are based only on conditions that were observed during Stantec's inspection of the site and test results provided by EMSL Analytical, Inc. These observations are time dependent, are subject to changing site conditions, and revisions to federal, state, and local regulations. Reliance on this letter report by Third Parties shall be at the Third Party's sole risk.

If you have any questions regarding this report or require further clarification, please do not hesitate to contact the Stantec personnel identified below.

Respectfully submitted,



Danielle Manning,
Project Scientist
EPA Accredited Inspector
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Dean Mochrie, WA DOC #6082
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Attachment: A – Prior Reports
 B - Laboratory Analytical Results
 C - Bulk Sample Logs

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ATTACHMENT A

PRIOR REPORTS

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Reference: **Assessment Report - Asbestos and Lead Based Paint**
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ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

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ATTACHMENT C

BULK SAMPLE LOGS

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ATTACHMENT A PRIOR REPORTS



DEPARTMENT OF VETERANS AFFAIRS
Medical Center
1660 South Columbian Way
Seattle WA 98108

July 10, 1992

Ms. Libby Matthaeus
GTE Telephone Operations
1629 220th St. S.E.
Bothell, WA 98021-8466

In Reply Refer To: 663/90C

Dear Ms. Matthaeus:

Subject: Asbestos, Bldg. 100, VA Medical Center, Seattle, WA

This letter is provided in response to your faxed notification of a work stoppage in Building 100 and your request for information designating areas containing asbestos. The asbestos assessment conducted at this Medical Center and discussed at the meeting with the Washington Department of Labor and Industries, GTE and Dial earlier this week, does not address Building 100 which was built in a post-asbestos era. Please consider this letter your official notification regarding asbestos in Building 100 only. With the following exceptions, Building 100 was constructed of non-asbestos containing materials. Precautions for working in these areas are as follows:

- a. Prosthetics welding shop (room 143K) lined with non-friable transite board. Do not sand, grind or drill in this area.
- b. All counter tops in Laboratory and Histology are non-friable asbestos containing material. Do not sand, cut, drill, or grind this material.
- c. Laboratory hoods contain transite. Do not sand, grind or drill.
- d. Brake shoes in elevators contain asbestos containing material. Changing of the shoes should be accomplished using safe work practices.
- e. Floor tile throughout the medical center contains asbestos containing material. Do not sand or pulverize.

We recognize GTE's concerns and those of their subcontractor, Dial, in regard to the matter of exposure to asbestos and asbestos containing materials. I trust this letter will adequately address your asbestos related concerns for Building 100. Information on asbestos in other areas of the Medical Center is being compiled per our conversations this week, and should be available sometime next week.

It is the opinion of the Contracting Officer that there is no viable reason for GTE not to resume work in Building 100

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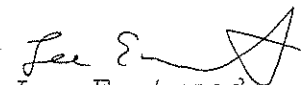
SUBJ: Asbestos, Bldg. 100, VA Medical Center, Seattle, WA

immediately. If you do not resume work in Bldg. 100 on July 13, 1992, this Medical Center will consider initiating default action.

Sincerely,

Concur with Technical Comments


Barbara Thompson
Contracting Officer


Lee Eastwood
Safety Officer

cc: 138 ✓
IRM
Don Roth (487-4917 fax)

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ATTACHMENT B

LABORATORY ANALYTICAL RESULTS

**EMSL Analytical, Inc**

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **Danielle Manning**
Stantec Consulting Corporation
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Customer ID: SECI62
Customer PO: 183810338
Received: 11/25/09 9:00 AM
EMSL Order: 090909596

Fax: (916) 861-0430 Phone: (916) 861-0400
Project: **183810338 Task #206.000 Seattle VA, Puget Sound, 1660**
S. Columbian Way, Seattle, WA 98108

EMSL Proj:
Analysis Date: 11/29/2009


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>			<u>Asbestos</u>
			%	Fibrous	% Non-Fibrous	% Type
B100-01A Fireproofing 090909596-0001	Penthouse, N. side, adj. room exit door	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected
B100-01B Fireproofing 090909596-0002	Int. Fl. 6, west tower, east side	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected
B100-01C Fireproofing 090909596-0003	Int. Fl.. 5, E. tower, east side	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected
B100-01D Fireproofing 090909596-0004	Int. Fl. 5, W. tower, E. side	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected
B100-01E Fireproofing 090909596-0005	Int. Fl. 3, E. tower, N. side	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected
B100-01F Fireproofing 090909596-0006	Int. Fl. 2, W. tower, east side	Gray/White Fibrous Homogeneous	40%	Cellulose Glass	50% Non-fibrous (other)	None Detected

Report Amended: 11/30/2009 10:23:24 AM Replaces the Initial Report . Reason Code: Data Entry-Change to Appearance

Analyst(s)

Adam C. Fink (55)
Grant Mays (21)


Baojia Ke, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007

**EMSL Analytical, Inc**

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Customer PO: 183810338
Received: 11/25/09 9:00 AM
EMSL Order: 090909596

Fax: (916) 861-0430 Phone: (916) 861-0400
Project: **183810338 Task #206.000 Seattle VA, Puget Sound, 1660**
S. Columbian Way, Seattle, WA 98108

EMSL Proj:
Analysis Date: 11/29/2009


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-01G Fireproofing 090909596-0007	Int. Fl. 1, E. tower, NEC	Gray/White Fibrous Homogeneous	40% Cellulose 10% Glass	50% Non-fibrous (other)	None Detected
B100-02A Gypsum Board 090909596-0008	Penthouse NEC of west tower	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-02B Gypsum Board 090909596-0009	Floor 6, west tower	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-02C Gypsum Board 090909596-0010	Int. Fl. 5, E. tower, NWC	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-02D Gypsum Board 090909596-0011	Int. Fl. 5, W. tower, east side	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-02E Gypsum Board 090909596-0012	Int. Fl. 3, E. tower, N. side	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

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Analyst(s)

Adam C. Fink (55)
Grant Mays (21)


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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-02F Gypsum Board <i>090909596-0013</i>	Int. Fl. 2, W. tower, E. side	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-02G Gypsum Board <i>090909596-0014</i>	Int. Fl. 1, E. tower, NE side	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-03A Joint Compound <i>090909596-0015</i>	Penthouse NEC of west tower	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-03B Joint Compound <i>090909596-0016</i>	Int. Fl. 6, west tower, east side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-03C Joint Compound <i>090909596-0017</i>	Int. Fl. 5, east tower, NWC	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-03D Joint Compound <i>090909596-0018</i>	Int. Fl. 5, W. tower, N. side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-03E Joint Compound <i>090909596-0019</i>	Int. Fl. 3, E. tower, N. side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-03F Joint Compound <i>090909596-0020</i>	Int. Fl. 2, W. tower, E. side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-03G Joint Compound <i>090909596-0021</i>	Int. Fl. 1, E. tower, NE side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-04A Duct Insulation Tape <i>090909596-0022</i>	Penthouse, west tower, N. side	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-04B Duct Insulation Tape <i>090909596-0023</i>	Basement Mechanical Room	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
B100-04C Duct Insulation Tape <i>090909596-0024</i>	Basement Mechanical Room	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-05A TSI Elbows <i>090909596-0025</i>	Int. Fl. 6, west tower, east side	White	20% Cellulose	70% Non-fibrous (other)	None Detected
		Fibrous	10% Glass		
		Homogeneous			
B100-05B TSI Elbows <i>090909596-0026</i>	Int. Fl. 5, E. tower, NE side	White	20% Cellulose	70% Non-fibrous (other)	None Detected
		Fibrous	10% Glass		
		Homogeneous			
B100-05C TSI Elbows <i>090909596-0027</i>	Int. Fl. 3, E. tower, N. side	White	20% Cellulose	70% Non-fibrous (other)	None Detected
		Fibrous	10% Glass		
		Homogeneous			
B100-06A Vinyl Floor Tile <i>090909596-0028</i>	F. 7, east tower, seismic joint	Beige		100% Non-fibrous (other)	<1% Chrysotile
		Non-Fibrous			
		Homogeneous			
B100-06B Vinyl Floor Tile <i>090909596-0029</i>	Fl. 6B, west tower, Room 127	Beige		100% Non-fibrous (other)	<1% Chrysotile
		Non-Fibrous			
		Homogeneous			
B100-06C Vinyl Floor Tile <i>090909596-0030</i>	Fl. 5, east tower, Room 119	Beige		100% Non-fibrous (other)	<1% Chrysotile
		Non-Fibrous			
		Homogeneous			

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B100-06D Vinyl Floor Tile <i>090909596-0031</i>	Fl. 3, west tower, Room 124	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
B100-06E Vinyl Floor Tile <i>090909596-0032</i>	Fl. 2, W. tower, Room 2B-105	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
B100-06F Vinyl Floor Tile <i>090909596-0033</i>	Fl. 1 1B-503	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
B100-06G Vinyl Floor Tile <i>090909596-0034</i>	Base BB-120	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
B100-07A VFT Mastic <i>090909596-0035</i>	Fl. 6B, west tower, Room 127	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
B100-07B VFT Mastic <i>090909596-0036</i>	Fl. 5, east tower, Room 119	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B100-07C VFT Mastic <i>090909596-0037</i>	Fl. 3, west tower, Room 124	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
B100-07D VFT Mastic <i>090909596-0038</i>	Fl. 3, east stairwell	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
B100-07E VFT Mastic <i>090909596-0039</i>	Fl. 1, 1B-503	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
B100-07F VFT Mastic <i>090909596-0040</i>	Basement BB-120	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-07G VFT Mastic <i>090909596-0041</i>	Basement corr. CB-7	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
B100-08A Cove Base Adhesive <i>090909596-0042</i>	Fl. 6, west tower, Room 127	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B100-08B Cove Base Adhesive <i>090909596-0043</i>	Fl. 5, east tower, Room 123	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-08C Cove Base Adhesive <i>090909596-0044</i>	Fl. 3, west tower, Room 124	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-08D Cove Base Adhesive <i>090909596-0045</i>	Fl. 2, W. tower, near 2B-502	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-08E Cove Base Adhesive <i>090909596-0046</i>	East tower, 1B-503	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-08F Cove Base Adhesive <i>090909596-0047</i>	Basement corr. CB-7	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-08G Cove Base Adhesive <i>090909596-0048</i>	Basement corr. CB-7	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B100-09A Light Duty Concrete <i>090909596-0049</i>	Int. Fl. 6, west tower, east side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-09B Light Duty Concrete <i>090909596-0050</i>	Int. Fl. 5, east tower NWC	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-09C Light Duty Concrete <i>090909596-0051</i>	Int. Fl. 5, W. tower, east side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-09D Light Duty Concrete <i>090909596-0052</i>	Int. Fl. 3, E. tower, N. side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-09E Light Duty Concrete <i>090909596-0053</i>	Int. Fl. 2, W. tower, E. side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-09F Light Duty Concrete <i>090909596-0054</i>	Int. Fl. 2, W. tower, E. side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-09G Light Duty Concrete <i>090909596-0055</i>	Int. Fl. 2, E. tower, NE side	White, Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-10A-Fireproofing <i>090909596-0056</i>	Penthouse N. side, adj. roof exit door	White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	None Detected
B100-10B-Fireproofing <i>090909596-0057</i>	Int. Fl. 6, west tower, east side	White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	None Detected
B100-10C-Fireproofing <i>090909596-0058</i>	Int. Fl. 2, W. tower, N. side	White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	None Detected
B100-11A-Caulking <i>090909596-0059</i>	West tower, Int. Fl. 6, east side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-11B-Caulking <i>090909596-0060</i>	Int. Fl. 5, east tower, NE side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Report Amended: 11/30/2009 10:23:24 AM Replaces the Initial Report . Reason Code: Data Entry-Change to Appearance

Analyst(s)

Adam C. Fink (55)
Grant Mays (21)


Baojia Ke, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007

**EMSL Analytical, Inc**

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Customer ID: SECI62
 Customer PO: 183810338
 Received: 11/25/09 9:00 AM
 EMSL Order: 090909596

Fax: (916) 861-0430 Phone: (916) 861-0400
 Project: **183810338 Task #206.000 Seattle VA, Puget Sound, 1660**
S. Columbian Way, Seattle, WA 98108

EMSL Proj:
 Analysis Date: 11/29/2009


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-11C-Caulking <i>090909596-0061</i>	Int. Fl. 5, west tower, E. side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-12A-Acoustic Ceiling Tile <i>090909596-0062</i>	Fl. 6, west tower, Room 127	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-12B-Acoustic Ceiling Tile <i>090909596-0063</i>	Fl. 5, east tower, Room 123	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-12C-Acoustic Ceiling Tile <i>090909596-0064</i>	Fl. 3, west tower, Room 124	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-12D-Acoustic Ceiling Tile <i>090909596-0065</i>	Fl. 2, W. tower near 2C-502	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-12E-Acoustic Ceiling Tile <i>090909596-0066</i>	Room 1B-156	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected

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EMSL Proj:
Analysis Date: 11/29/2009


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-12F-Acoustic Ceiling Tile <i>090909596-0067</i>	Basement corr. CB-7	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-12G-Acoustic Ceiling Tile <i>090909596-0068</i>	Basement corr. CB-7	White Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (other)	None Detected
B100-13A-Carpet Glue <i>090909596-0069</i>	Fl. 5, east tower, Room 119	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-13B-Carpet Glue <i>090909596-0070</i>	Fl. 3, east tower, Room 106*	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-14A-Plaster <i>090909596-0071</i>	3rd floor, west stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-14B-Plaster <i>090909596-0072</i>	3rd floor, east stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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EMSL Proj:
Analysis Date: 11/29/2009


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B100-14C-Plaster 090909596-0073	2nd floor, west stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-15A-Seismic Joint 090909596-0074	Int. Fl. 2, W. tower, east side	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-15B-Seismic Joint 090909596-0075	Int. Fl. 3, W. tower, east side	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
B100-15C-Seismic Joint 090909596-0076	Int. Fl. 3, W. tower, east side	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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EMSL Proj:
Analysis Date: 11/28/2009

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
NHCU-01A-Fire Proofing <i>090909603-0001</i>	Basement, west center	White	15% Cellulose	75% Non-fibrous (other)	None Detected
		Fibrous	10% Glass		
		Heterogeneous			
NHCU-01B-Fire Proofing <i>090909603-0002</i>	Basement, south side	White	15% Cellulose	75% Non-fibrous (other)	None Detected
		Non-Fibrous	10% Glass		
		Heterogeneous			
NHCU-01C-Fire Proofing <i>090909603-0003</i>	Basement, NE side	White	15% Cellulose	75% Non-fibrous (other)	None Detected
		Fibrous	10% Glass		
		Heterogeneous			
NHCU-02A-Gypsum Board <i>090909603-0004</i>	Basement, N. column, east side	White	10% Cellulose	90% Non-fibrous (other)	None Detected
		Fibrous			
		Heterogeneous			
NHCU-02B-Gypsum Board <i>090909603-0005</i>	Basement, S. column, east side	White	10% Cellulose	90% Non-fibrous (other)	None Detected
		Non-Fibrous			
		Heterogeneous			
NHCU-02C-Gypsum Board <i>090909603-0006</i>	Basement, N. column, center	White	10% Cellulose	90% Non-fibrous (other)	None Detected
		Fibrous			
		Heterogeneous			

Analyst(s)

Jason McGriff (29)


Baojia Ke, Laboratory Manager
or other approved signatory

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EMSL Proj:
Analysis Date: 11/28/2009

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
NHCU-02D-Gypsum Board 090909603-0007	Floor 1, Room 116	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
NHCU-02E-Gypsum Board 090909603-0008	Floor 1, Room 124	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
NHCU-03A-Joint Compound 090909603-0009	Basement, N. column, east side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
NHCU-03B-Joint Compound 090909603-0010	Basement, S. column, east side	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
NHCU-03C-Joint Compound 090909603-0011	Basement, N. column, center	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
NHCU-03D-Joint Compound 090909603-0012	Floor 1, Room 116	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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EMSL Proj:
Analysis Date: 11/28/2009

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
NHCU-03E-Joint Compound <i>090909603-0013</i>	Floor 1, Room 124	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
NHCU-04A-Duct Insulation Tape <i>090909603-0014</i>	Basement, NE side	White Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
NHCU-04B-Duct Insulation Tape <i>090909603-0015</i>	Basement, N. side	White Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
NHCU-04C-Duct Insulation Tape <i>090909603-0016</i>	Basement, S. side	White Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
NHCU-05A-Acoustic Ceiling Tile <i>090909603-0017</i>	Floor 1, Room 116	White Fibrous Homogeneous	30% Cellulose 20% Min. Wool	50% Non-fibrous (other)	None Detected
NHCU-05B-Acoustic Ceiling Tile <i>090909603-0018</i>	Floor 1, Room 124	White Fibrous Heterogeneous	30% Cellulose 20% Min. Wool	50% Non-fibrous (other)	None Detected

Analyst(s)

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Baojia Ke, Laboratory Manager
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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
NHCU-05C-Acoustic Ceiling Tile 090909603-0019	Floor 1, Room 139	White Fibrous Heterogeneous	30% Cellulose 20% Min. Wool	50% Non-fibrous (other)	None Detected
NHCU-06A-Cove Base Adhesive 090909603-0020	Floor 1, Room 116	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
NHCU-06B-Cove Base Adhesive 090909603-0021	Floor 1, Room 124	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
NHCU-06C-Cove Base Adhesive 090909603-0022	Floor 1, Room 139	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
NHCU-07A-VFT 090909603-0023	Floor 1, Room 116	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
NHCU-07B-VFT 090909603-0024	Floor 1, Room 124	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile

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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
NHCU-07C-VFT 090909603-0025	Floor 1, Room 139	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
NHCU-08A-Mastic 090909603-0026	Floor 1, Room 116	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
NHCU-08B-Mastic 090909603-0027	Floor 1, Room 124	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
NHCU-08C-Mastic 090909603-0028	Floor 1, Room 139	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
NHCU-09A-Carpet Glue 090909603-0029	Floor 1, Lounge, Room 139	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

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Project: **183810338.206.000**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
B100-01	0001	12/1/2009		45 % wt
Pent house. W.tower N.side				
B100-02	0002	12/1/2009		<0.011 % wt
Elev. Button @ S7				
B100-03	0003	12/1/2009		0.013 % wt
NE corner of Room 5C-123				
B100-04	0004	12/1/2009		<0.011 % wt
West stairwell Floor #5				
B100-06	0006	12/1/2009		<0.010 % wt
NE corner near sink				
NHCU-01	0007	12/1/2009		<0.010 % wt
West wall soiled linen room				
B20-01	0008	12/1/2009		<0.010 % wt
South wall Rm 106				
B20-02	0009	12/1/2009		<0.010 % wt
N Wall Rm 110				
B20-03	0010	12/1/2009		<0.010 % wt
E.wall in the west room				
B18-01	0011	12/1/2009		0.011 % wt
Rm 111 south wall				
B18-03	0013	12/1/2009		<0.010 % wt
Rm 114 near Rm 114A				
B18-04	0014	12/1/2009		0.011 % wt
SW stair well				

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA ELLAP 100194

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Attn: **Danielle Manning**
Stantec Consulting Corporation
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Customer ID: SECI62
Customer PO: 183810338206000
Received: 11/25/09 10:40 AM
EMSL Order: 200916910

Fax: (916) 861-0430 Phone: (916) 861-0400
Project: **183810338.206.000**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
B24-01	0015	12/1/2009		<0.011 % wt
South end of main corridor door				
B24-02	0016	12/1/2009		<0.010 % wt
East window				
B22-01	0017	12/1/2009		0.23 % wt
West wall of storage				
B22-02	0018	12/1/2009		<0.011 % wt
North wall of kitchen				
COR-01	0019	12/1/2009		<0.011 % wt
N/S corridor to east of Bldg 20				
COR-02	0020	12/1/2009		<0.011 % wt
E/W corridor to south of Bldg 20				

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ NJ-NELAP: 04653, AIHA ELLAP 100194

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-9551

Email: westmontleadlab@emsl.com

Attn: **Danielle Manning**
Stantec Consulting Corporation
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Customer ID: SECI62
Customer PO: 183810338206000
Received: 11/25/09 10:40 AM
EMSL Order: 200916910

Fax: (916) 861-0430 Phone: (916) 861-0400
Project: **183810338.206.000**

EMSL Proj:

Test Report: Lead by Flame AAS (SW 846, 7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
B100-05	0005	12/2/2009		<40 mg/Kg
Storage Rm				
B18-02	0012	12/2/2009		41 mg/Kg
Rm 121				

Shannon Kauffman, Lead Lab Supervisor
or other approved signatory

Detection limit is 40 mg/kg. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ NJ-NELAP 04653, AIHA ELLAP 100194

September 30, 2010

Reference: **Assessment Report - Asbestos and Lead Based Paint**
 B100 (Nursing Tower and NHCU)
 VA Puget Sound Medical Center

ATTACHMENT C

BULK SAMPLE LOGS

090909596



Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
Suite 230
2235 Polvorosa Ave
San Leandro,
CA 94577
Phone: (510) 895-
3675 (888) 455-3675
Fax: (510) 895-3680
<http://www.emsl.com>

Please print all information legibly.

Company:	Stantec Consulting Corporation	Bill To:	Stantec Consulting Corporation
Address1:	3017 Kilgore Road, Suite 100	Address1:	3017 Kilgore Road, Suite 100
Address2:		Address2:	
City, State:	Rancho Cordova, CA	City, State:	Rancho Cordova, CA
Zip/Post Code:	95670	Zip/Post Code:	95670
Country:	USA	Country:	USA
Contact Name:	Danielle Manning	Attn:	Danielle Manning
Phone:	916-384-0706	Phone:	916-384-0706
Fax:	916-861-0430	Fax:	916-861-0430
Email:	danielle.manning@stantec.com	Email:	danielle.manning@stantec.com
EMSL Rep:	Andrea Norman	P.O. Number:	USE PROJECT #
Project Name/Number: VA Puget Sound Medical Center/183810338.206.000			

MATRIX			TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac	<input type="checkbox"/> 3 Hours	<input type="checkbox"/> 6 Hours		<input type="checkbox"/> 24 Hours (1 day)
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water		<input type="checkbox"/> 48 Hours (2 days)	<input type="checkbox"/> 72 Hours (3 days)	<input type="checkbox"/> 96 Hours (4 days)	<input type="checkbox"/> 120 Hours (5 days)
<input type="checkbox"/> Wipe	<input type="checkbox"/> Wastewater		<input type="checkbox"/> 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

PCM - Air <input type="checkbox"/> NIOSH 7400(A) Issue 2: August 1994 <input type="checkbox"/> OSHA w/TWA <input type="checkbox"/> Other:	TEM Air <input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II	TEM WATER <input type="checkbox"/> EPA 100.1 <input type="checkbox"/> EPA 100.2 <input type="checkbox"/> NYS 198.2
PLM - Bulk <input checked="" type="checkbox"/> EPA 600/R-93/116 <input type="checkbox"/> EPA Point Count <input type="checkbox"/> NY Stratified Point Count <input type="checkbox"/> PLM NOB (Gravimetric) NYS 198.1 <input type="checkbox"/> NIOSH 9002: <input type="checkbox"/> EMSL Standard Addition:	TEM BULK <input type="checkbox"/> Drop Mount (Qualitative) <input type="checkbox"/> Chatfield SOP - 1988-02 <input type="checkbox"/> TEM NOB (Gravimetric) NYS 198.4 <input type="checkbox"/> EMSL Standard Addition:	TEM Microvac/Wipe <input type="checkbox"/> ASTM D 5755-95 (quantative method) <input type="checkbox"/> Wipe Qualitative
SEM Air or Bulk <input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative	PLM Soil <input type="checkbox"/> EPA Protocol Qualitative <input type="checkbox"/> EPA Protocol Quantitative <input type="checkbox"/> EMSL MSD 9000 Method fibers/gram	XRD <input type="checkbox"/> Asbestos <input type="checkbox"/> Silica NIOSH 7500
		OTHER <input type="checkbox"/>

Received at EMSL Analytical, Inc.
San Leandro, CA (888) 455-3675

By AS ECHEN

Date 15/09/2009



Asbestos Bulk Sample Log

3017 Kilgore Road, suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

10

AF(DM/DSM)

Seattle, WA 98108

SAMPLES			Lab Results
Sample #	Sample Location		
B100-01-A	PENT HOUSE N. SIDE ADJ ROOF EXIT DOOR		
B100-01-B	INT. FL 6, WEST TOWER EAST SIDE		
B100-01-C	INT. FL. 5, E. TOWER NW C		
B100-01-D	INT. FL 5, W. TOWER E. SIDE		
B100-01-E	INT. FL 3 E. TOWER, N. SIDE		
B100-01-F	INT. FL 2, W. TOWER, EAST SIDE		
B100-01-G	INT. FL 1, E. TOWER, NEC		

Notes:

FIREPROOFING OBSERVED ON STRUCTURE

Booms

Date:

Relinquished By: Daniel A. Manning



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Site Name: Seattle VA, Puget Sound

Date: 11/19/09

Task #: ~~207.000~~

Site Address: 1660 S Columbian Way

Inspector: AF/OLM/OSM

Seattle, WA 98108

SAMPLES			Lab Results
Sample #	Sample Location		
B100-02-A	PENT HOUSE NEC OF WEST STAB TOWER		
B100-02-B	PENTHOUSE INT FLOOR 6, WEST TOWER		
B100-02-C	INT. FL. 5, E. TOWER, NWC		
B100-02-D	INT. FL 5, W. TOWER, EAST SIDE		
B100-02-E	INT. FL 3, E. TOWER, N. SIDE		
B100-02-F	INT. FL 2, W. TOWER, E. SIDE		
B100-02-G	INT. FL 1, E. TOWER, NE SIDE		

HAZARD ASSESSMENT				
	Friable:	Yes		No
		Contact by Maintenance:	Low	
	Vibration:	Low	Med	High
		Air Movement:	Low	Med

Notes:

Relinquished By: David Marmy

Received By:

Date: 11/19/09

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA

Project #: 183810338

7006.002

Site Name: Seattle VA, Puget Sound

Task #: ~~207.000~~

Site Address: 1660 S Columbian Way

Date:

Inspector: AF/DLM/DSM

MATERIAL	
HM#	B100-03
Material Type:	Solvent Compound
Color:	White
Texture:	Smooth
Description:	ASSOC. w/ HM# B100-02
Total Qty.:	

[illegible]

SAMPLES			Lab Results
Sample #	Sample Location		
B100-03-A	PENTHOUSE NEC OF WEST TOWER		
B100-03-B	INT. FL 6, WEST TOWER, EAST SIDE		
B100-03-C	INT. FL 5, EAST TOWER, N.W.C.		
B100-03-D	INT. FL 5, W. TOWER, EAST SIDE		
B100-03-E	INT. FL 3, E. TOWER, N. SIDE		
B100-03-F	INT. FL 2, W. TOWER, E. SIDE		
B100-03-G	INT. FL 4, E. TOWER N.E. SIDE		

Notes:

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med
Vibration:	Low	Med
Air Movement:	Low	Med

Relinquished By: Donald M. Perry

Received By:

Date: 11/19/09

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 6/19/08

Inspector: AF/DAW/SSM

SAMPLES			Lab Results
Sample #	Sample Location		
B100-04 - A	PENTHOUSE WEST TOWER N. SIDE		
B100-04 B	BASEMENT MECHANICAL RM		
B100-04 C	BASEMENT MECHANICAL RM		
D			
E			
F			
G			

HAZARD ASSESSMENT		
Frangible:	Yes	No
Contact by Maintenance:	Low	Med <u>High</u>
Vibration:	Low	<u>Med</u> High
Air Movement:	Low	<u>Med</u> High

Notes:

Covering - Fiberglass

DUCT INSULATION

Date:

Date: 11/19/09

Relinquished By:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09

Inspector: AF/DLM/DSM

Seattle, WA 98108

SAMPLES		
Sample #	Sample Location	Lab Results
B100-05-A	INT. FL. 6, WEST TOWER, EAST SIDE	
B100-05-B	INT FL 5, E. TOWER, NE SIDE	
B100-05-C	INT. FL 3, E. TOWER N. SIDE	
D		
E		
F		
G		

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Low	Med	High
		Low	Med	High
		Low	Med	High

SUSPECT TS1 ON ELBOWS ONLY
TEST OF TS1 IS FIBERGLASS.

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09

Inspector: AF | DCN/DSM

Seattle, WA 98108

SAMPLES			Lab Results
Sample #	Sample Location		
B100-06 A	FL 7, EAST TOWER, SEISMIC JOINT		
B100-06 B	FL 6B, WEST TOWER, ROOM 127		
B100-06 C	FL 5, EAST TOWER, ROOM 119		
B100-06 D	FL 3, west tower Room 124		
B100-06 E	FL 2 w. tower Room 2B 105		
B100-06 F	FL 1 1B-503		
B100-06 G	Base BB-120		

HAZARD ASSESSMENT		
	Yes	No
Friable:		
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Notes:

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA 706.000
Project #: 183810338 Task #: 207.000
Site Name: Seattle VA, Puget Sound
Site Address: 1660 S Columbian Way
Inspector: KF | DLM | DSM
Date: 11/19/09
Seattle, WA 98108

MATERIAL	
HM#	B100-07
Material Type:	VFT MASTIC
Color:	BLACK
Texture:	W/A
Description:	ASSOCIATED w/ HM # B100-00
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
B100-07A	BFL 608 WEST TOWER ROOM 127	
B100-07B	FL 51 EAST TOWER, ROOM 119	
B100-07C	FL 3 west tower Room 124	
B100-07D	FL 3 East stair well	
B100-07E	FL 1 1B-503	
B100-07F	Basement B1B-120	
B100-07G	Basement CORR. CB-7	

Notes:

HAZARD ASSESSMENT				
	Friable:	Yes		No
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

Relinquished By: Shirley T. Manning Date: 11/19/09 Received By: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name:	Seattle VA	206.000	Site Name:	Seattle VA, Puget Sound	Date:	11/19/09	
Project #:	183810338	Task #:	207.000	Site Address:	1660 S Columbian Way	Inspector:	AF DSM DSM
				Seattle, WA 98108			

MATERIAL	
HM#	B100-08
Material Type:	COVE BASE ADHESIVE
Color:	BROWN
Texture:	N/A
Description:	N/A
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
B100-08-A	FL6, WEST TOWER, ROOM 127	
B100-08-B	FL5, EAST TOWER, ROOM 123	
B100-08-C	FL3, WEST TOWER Room 124	
B100-08-D	FL2 W. Tower Near 2B-502	
B100-08-E	EAST TOWER 9.1B-503	
B100 08 F	Basement Corr. CB-7	
B100 08 G	Basement Corr CB 7	

Notes:

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	High
Vibration:	Low	High
Air Movement:	Low	High

Relinquished By: David M. Murray Date: 11/19/09 Received By: _____ Date: _____



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09

Inspector: AF/DLM/DSM

SAMPLES			Lab Results
Sample #	Sample Location		
B100-09 A	INT. FL 6, WEST TOWER EAST SIDE		
B100-09 B	INT FL-5, East Tower N.W.C		
B100-09 C	INT. FL 5, W. TOWER, EAST SIDE		
B100-09 D	INT FL 3, E. TOWER N. SIDE		
B100-09 E	INT. FL 2, W. TOWER, E. SIDE		
B100-09 F	INT. FL 2, W. TOWER, E. SIDE		
B100-09 G	INT. FL 2 INT. FL 2, E. TOWER, NE SIDE		

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes: ON FLOOR OF INTERSTIAL
FLORES ONLY

Date:

Relinquished By: Harold Therman



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

206.000

[illegible]

Notes: AREAS OF PATCHING
OF FLOORING ON STRUCTURAL
BEAMS

Relinquished By: David M. Mearns

Received By:

Date: 11/19/09

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Inspector: AF/DLM/DSM

SAMPLES		
Sample #	Sample Location	Lab Results
B100-11-A	WEST TOWER, INT. FL 6, EASTSIDE	
B100-11-B	INT FLS, East tower N E Side	
B100-11-C	INT FLS, West tower E side	
D		
E		
F		
G		

Therapeut Gypsum Board

Date:



Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name:	Seattle VA	Task #:	206.000	Site Name:	Seattle VA, Puget Sound	Date:	11/19/09
Project #:	183810338	Task #:	207.000	Site Address:	1660 S Columbian Way	Inspector:	AF/DLM/DSM
				Seattle, WA 98108			

MATERIAL	
HM#	B100-12
Material Type:	ACOUSTIC CEILING TILE
Color:	WHITE
Texture:	2'x2' solid SMOOTH
Description:	2'x2' w/ DWF
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
B100-12-A	FL 6, WEST TOWER, ROOM 127	
B100-12-B	FL 5, EAST TOWER, ROOM 123	
B100-12-C	FL 3, west Tower Room 124	
B100-12-D	FL 2 W. Tower near 20500 2C-502	
B100-12-E	Room 1B-156	
B100-12-F	Basement along Corr. CB 7	
B100-12-G	Basement Corr CB 7	

HAZARD ASSESSMENT				
Friable:	<input checked="" type="radio"/> Yes	No		
	Contact by Maintenance:	Low	Med	High
Vibration:	<input checked="" type="radio"/> Low	Med	High	High
Air Movement:	Low	Med	High	High

Notes:

Relinquished By: David M. Manning Date: 11/19/09 Received By: _____ Date: _____



Stantec

Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Site Name: Seattle VA, Puget Sound Date: 11/19/09
Project #: 183810338 Task #: 207.000 Site Address: 1660 S Columbian Way Inspector: AF/DUM/DSM
Seattle, WA 98108

MATERIAL	
HM#	<u>13</u>
Material Type:	<u>CARPET GLUE</u>
Color:	<u>YELLOW</u>
Texture:	<u>NA</u>
Description:	<u>UNDER CARPET</u>
Total Qty.:	

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
	VARIOUS OFFICES		6
	FLOORS 1-7		

SAMPLES		
Sample #	Sample Location	Lab Results
B100-13 A	FL5, EAST TOWER, ROOM 119	
B100-13 B	FL3, East tower Room 106*	
C		
D		
E		
F		
G		

Notes:

DAPE BLUE CARPET OVER
VFT + MASC
*Red Carpet over concrete

HAZARD ASSESSMENT			
Friable:	Yes	No	
	Contact by Maintenance:	Low	High
	Vibration:	Low	High
	Air Movement:	Low	High

Relinquished By: Danilla Murray Date: 11/19/09 Received By: _____ Date: _____



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Site Name: Seattle VA, Puget Sound Date: 11/19/09
Project #: 183810338 Task #: 206.000 Site Address: 1660 S Columbian Way Inspector: AF/DCM/DSM
Seattle, WA 98108

MATERIAL	
HM#	B100 - 14
Material Type:	Plaster
Color:	White
Texture:	Sand
Description:	Walls in Stair well
Total Qty.:	

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
	T/O Stair wells		G

SAMPLES		
Sample #	Sample Location	Lab Results
B100-14-A	West Stair well	3rd Floor
B100-14-B	East Stair well	3rd Floor
B100-14-C	2FL. West stair well	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Relinquished By: David M. Manning Date: 11/19/09 Received By: _____ Date: _____



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Task #: 206-000 Site Name: Seattle VA, Puget Sound Date: 11/19/09
Project #: 183810338 Task #: 207-000 Site Address: 1660 S Columbian Way Inspector: DCM/AF/DSM
Seattle, WA 98108

MATERIAL	
HM#	B100 - 15
Material Type:	Seismic joint
Color:	Black
Texture:	Smooth
Description:	Covering over seismic joints
Total Qty.:	

MATERIAL LOCATIONS		
Floor #	Location	Quantity Estimate
	Seismic joints	6

SAMPLES		
Sample #	Sample Location	Lab Results
B100-15 A	Int FL 2 W. Tower East Side	
B100-15 B	Int FL 3 W. Tower East Side	
B100-15 C	Int FL 3 W. Tower East Side	
D		
E		
F		
G		

Notes:

RUBBER-LIKE MATERIAL, VISIBLE
ONLY ON INTERSTITIAL FLOORS

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Relinquished By: David M. Murray Date: 11/19/09 Received By: _____ Date: _____

090909589



Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
Suite 230
2235 Polvorosa Ave
San Leandro,
CA 94577
Phone: (510) 895-
3675 (888) 455-3675
Fax: (510) 895-3680
<http://www.emsl.com>

Please print all information legibly.

Company:	Stantec Consulting Corporation	Bill To:	Stantec Consulting Corporation
Address1:	3017 Kilgore Road, Suite 100	Address1:	3017 Kilgore Road, Suite 100
Address2:		Address2:	
City, State:	Rancho Cordova, CA	City, State:	Rancho Cordova, CA
Zip/Post Code:	95670	Zip/Post Code:	95670
Country:	USA	Country:	USA
Contact Name:	Danielle Manning	Attn:	Danielle Manning
Phone:	916-384-0706	Phone:	916-384-0706
Fax:	916-861-0430	Fax:	916-861-0430
Email:	danielle.manning@stantec.com	Email:	danielle.manning@stantec.com
EMSL Rep:	Andrea Norman	P.O. Number:	USE PROJECT #
Project Name/Number: VA Puget Sound Medical Center/183810338.206.000			

MATRIX			TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac	<input type="checkbox"/> 3 Hours	<input type="checkbox"/> 6 Hours		<input type="checkbox"/> 24 Hours (1 day)
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water		<input type="checkbox"/> 48 Hours (2 days)	<input type="checkbox"/> 72 Hours (3 days)	<input type="checkbox"/> 96 Hours (4 days)	<input type="checkbox"/> 120 Hours (5 days)
<input type="checkbox"/> Wipe	<input type="checkbox"/> Wastewater		<input type="checkbox"/> 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

PCM - Air <input type="checkbox"/> NIOSH 7400(A) Issue 2: August 1994 <input type="checkbox"/> OSHA w/TWA <input type="checkbox"/> Other:	TEM Air <input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II	TEM WATER <input type="checkbox"/> EPA 100.1 <input type="checkbox"/> EPA 100.2 <input type="checkbox"/> NYS 198.2
PLM - Bulk <input checked="" type="checkbox"/> EPA 600/R-93/116 <input type="checkbox"/> EPA Point Count <input type="checkbox"/> NY Stratified Point Count <input type="checkbox"/> PLM NOB (Gravimetric) NYS 198.1 <input type="checkbox"/> NIOSH 9002: <input type="checkbox"/> EMSL Standard Addition:	TEM BULK <input type="checkbox"/> Drop Mount (Qualitative) <input type="checkbox"/> Chatfield SOP - 1988-02 <input type="checkbox"/> TEM NOB (Gravimetric) NYS 198.4 <input type="checkbox"/> EMSL Standard Addition:	TEM Microvac/Wipe <input type="checkbox"/> ASTM D 5755-95 (quantative method) <input type="checkbox"/> Wipe Qualitative
SEM Air or Bulk <input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative	PLM Soil <input type="checkbox"/> EPA Protocol Qualitative <input type="checkbox"/> EPA Protocol Quantitative <input type="checkbox"/> EMSL MSD 9000 Method fibers/gram	XRD <input type="checkbox"/> Asbestos <input type="checkbox"/> Silica NIOSH 7500
		OTHER <input type="checkbox"/>

Received at EMSL Analytical, Inc. San Leandro, CA (888) 455-3675	
By	<i>[Signature]</i>
Date	11/25/03



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Site Name: Seattle VA, Puget Sound

Site Address: 1660 S Columbian Way

Task #: ~~207.000~~

206.00

Date: 11/20/09

Inspector: $DLH/DSM/AF$

MATERIAL	
HM#	602-01
Material Type:	Ho VFT
Color:	Dark Grey
Texture:	Smooth
Description:	12" x 12"
Total Qty.:	500

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
COL-01 A	Behind Door to Staff Dining	
COL-01 B	NE Corridor	
COL-01 C	North corner Main Corridor	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT					
	Friable:	Yes		No	
		Contact by Maintenance:	Low	Med	High
Vibration:			Low	Med	High
Air Movement:			Low	Med	High

[Signature]

Relinquished By:

Date: 11/23/09

Received By:

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

206-000

SAMPLES		
Sample #	Sample Location	Lab Results
COL-02A	Behind Door to Staff Dining	
COL-02B	NE Corridor	
COL-02C	North Corridor Corner	
COL-02D	North Corner main Corridor	
COL-02E	Adjacent to Exit	
COL-02F	Adjacent to Bldg 1	
COL-02 ⁰² G	West Corridor	

HAZARD ASSESSMENT				
	Friable:	Yes	No	
	Contact by Maintenance:	Low	Med	High
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

Page 2 of 17



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA
 Project #: 183810338 Task #: 207-000
206.000
 Site Name: Seattle VA, Puget Sound
 Site Address: 1660 S Columbian Way
Seattle, WA 98108
 Date: 11/20/09
 Inspector: DLW/DSM/AF


MATERIAL	
HM#	COR-04
Material Type:	VFT
Color:	Dark Grey
Texture:	Smooth
Description:	18" x 18"
Total Qty.:	100

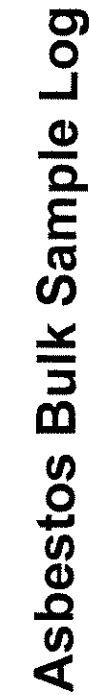
[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
CO204A	NE corner entry	
CO204-B	Middle entry	
CO204C	West entry wall	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT			
Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
	Vibration:	Low	Med
Air Movement:	Low	Med	High

Relinquished By:  Date: 11/23/09 Received By: _____ Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/20/09

Inspector: Dum / Dum / AE

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
CO2006A	North Corner Entry	
CO2006B	Middle Entry	
CO2006C	West wall entry	
D		
E		
F		
G		

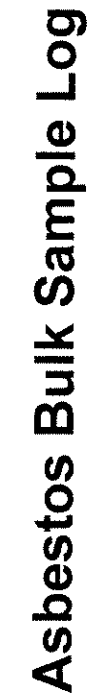
Notes:

HAZARD ASSESSMENT					
	Friable:	Yes	No		
		Contact by Maintenance:	Low	Med	High
		Vibration:	Low	Med	High
		Air Movement:	Low	Med	High

Relinquished By: [Signature]

Date: 11/23/09 Received By: _____

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name:	Seattle VA	Task #:	207-000	Site Name:	Seattle VA, Puget Sound	Date:	11/20/09
Project #:	183810338		206-000	Site Address:	1660 S Columbian Way	Inspector:	DM/DSM/NF
:	:	:	:	:	Seattle, WA 98108	:	:

MATERIAL	
HM#	COR-07
Material Type:	Cove base glue
Color:	Yellow
Texture:	N/A
Description:	N/A
Total Qty.:	7/0

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
CO207-A	Behind Doors to Student Dining	
CO207-B	NE Corridor	
CO207-C	North corner of Nurse Corridor	
D		
E		
F		
G		

HAZARD ASSESSMENT					
	Friable:	Yes	No		
		Contact by Maintenance:	Low	Med	High
		Vibration:	Low	Med	High
		Air Movement:	Low	Med	High

Notes:

Relinquished By: [Signature] Date: 11/23/09 Received By:

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Seattle VA

Task # ~~207-000~~

207.000
206.000

Site Name: Seattle VA, Puget Sound

Site Address: 1660 S Columbian Way

Date: 11/20/09
Inspector: DUM/DSM/AF

1660 S Columbian
Seattle, WA 98108

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
COR-08A	South end main Corridor	
COR-08B	Front of Room 107	
COR-08C	NE Corridor	
D		
E		
F		
G		

Notes:

Located in main + NE corridor

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By:

Date: 11/23/09

Received By:

Date: _____



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Seattle VA

Task #: ~~207,000~~

Site Name: Seattle VA, Puget Sound

Site Address: 1660 S Columbian Way

Date: 11/20/09

Inspector: DUM / DSN / AC[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
Cor10 A	West Corridor	
Cor10 B	Main Corridor	
Cor10 C	NE Corridor	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT

	Yes	No
Friable:		
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Relinquished By:

Date: 11/23/09

Received By:

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Site Name: Seattle VA, Puget Sound Date: 11/20/09
Project #: 183810338 Task #: 207.000 Inspector: DLM/DSM/AF
: : 206.000 :
: : :

MATERIAL	
HM#	COE-11
Material Type:	Gypsum Board Panels
Color:	White
Texture:	V/A
Description:	Wall
Total Qty.:	T/O

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
COR 11 A	West Corridor	
COR 11 B	Near Biology 2nd Middle	
COR 11 C	Entry to West Corridor	
D		
E		
F		
G		

Notes:

panels in West corridor only

HAZARD ASSESSMENT				
Friable:	Yes		No	
	Contact by Maintenance:	Low	Med	High
Vibration:		Low	Med	High
Air Movement:		Low	Med	High

Relinquished By: [Signature] Date: 11/23/09 Received By: _____

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Site Name: Seattle VA, Puget Sound
 Site Address: 1660 S Columbian Way
Seattle, WA 98108

Date: 11/20/09
Inspector: Qum / DSM / AF

[illegible]

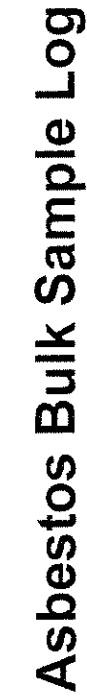
SAMPLES		
Sample #	Sample Location	Lab Results
COR 12 A	West Corridor	
COR 12 B	↓	
COR 12 C		
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med <u>High</u>
Vibration:	Low	<u>Med</u> High
Air Movement:	Low	Med <u>High</u>

Relinquished By:  Date: 11/23/09 Received By: _____

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name:	<u>Seattle VA</u>	Site Name:	<u>Seattle VA, Puget Sound</u>	Date:	<u>11/26/09</u>
Project #:	<u>183810338</u>	Task #:	<u>207-000</u> <u>206.000</u>	Inspector:	<u>DLM/DSM/AC</u>
		Site Address:	<u>1660 S Columbian Way</u>		
			<u>Seattle, WA 98108</u>		

MATERIAL	
HM#	COR-13
Material Type:	VFT
Color:	Beige Mottled
Texture:	Smooth
Description:	" 12x12
Total Qty.:	400 SF

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
Cor 13 A	North Corner Main Corridor	
Cor 13 B	Adjacent to Exit	
Cor 13 C	Adjacent to Bldg 1	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT			
Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By:  Date: 11/23/09 Received By:

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/20/09

Inspector: Dem / DSM / AF

196.000

SAMPLES		
Sample #	Sample Location	Lab Results
Cor 14-A	West entry to Bay 24	
Cor 14 B	West corridor	
Cor 14 C	Entrance to West corridor	
D		
E		
F		
G		

HAZARD ASSESSMENT			
Friable:	Yes		No
	Contact by Maintenance:	Low	Med
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

SAMPLES		
Sample #	Sample Location	Lab Results
Cor-15 A	West Corridor	
Cor-15 B	↓	
Cor-15 C		
D		
E		
F		
G		

HAZARD ASSESSMENT				
	Friable:	Yes		No
		Contact by Maintenance:	Low	Med
Vibration:		Low	Med	High
Air Movement:		Low	Med	High


② Ceiling in West Corridor

Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA
Project #: 183810338 Task #: 207.000
Site Name: Seattle VA, Puget Sound
Site Address: 1660 S Columbian Way
Date: 11/20/09
Inspector: DLM/DSM/AF
Seattle, WA 98108

MATERIAL	
HM#	COR-16
Material Type:	core base glue
Color:	yellow
Texture:	W/A
Description:	
Total Qty.:	150 SF

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
CO214 A	West Corridor	
CO214 B	↓	
CO214 C		
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By:  Date: 11/23/09 Received By: _____ Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name:	<u>Seattle VA</u>	Site Name:	<u>Seattle VA, Puget Sound</u>	Date:	<u>11/20/09</u>
Project #:	<u>183810338</u>	Task #:	<u>207-000</u> <u>206-000</u>	Inspector:	<u>DW/DSM/AF</u>
			Site Address:	<u>1660 S Columbian Way</u> <u>Seattle, WA 98108</u>	

MATERIAL	
HM#	COR - 17
Material Type:	VFT.
Color:	Grey Beige
Texture:	Smooth
Description:	12" x 12"
Total Qty.:	200

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
COL17 A	West Corridor	
COL17 B	↓	
COL17 C	↓	
D		
E		
F		
G		

HAZARD ASSESSMENT			
Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Sources of Profit / Store

Date:



Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
Suite 230
2235 Polvorosa Ave
San Leandro,
CA 94577
Phone: (510) 895-
3675 (888) 455-3675
Fax: (510) 895-3680
<http://www.emsl.com>

Please print all information legibly.

Company:	Stantec Consulting Corporation	Bill To:	Stantec Consulting Corporation
Address1:	3017 Kilgore Road, Suite 100	Address1:	3017 Kilgore Road, Suite 100
Address2:		Address2:	
City, State:	Rancho Cordova, CA	City, State:	Rancho Cordova, CA
Zip/Post Code:	95670	Zip/Post Code:	95670
Country:	USA	Country:	USA
Contact Name:	Danielle Manning	Attn:	Danielle Manning
Phone:	916-384-0706	Phone:	916-384-0706
Fax:	916-861-0430	Fax:	916-861-0430
Email:	danielle.manning@stantec.com	Email:	danielle.manning@stantec.com
EMSL Rep:	Andrea Norman	P.O. Number:	USE PROJECT #
Project Name/Number: VA Puget Sound Medical Center/183810338.206.000			

MATRIX			TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac	<input type="checkbox"/> 3 Hours	<input type="checkbox"/> 6 Hours		<input type="checkbox"/> 24 Hours (1 day)
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water		<input type="checkbox"/> 48 Hours (2 days)	<input type="checkbox"/> 72 Hours (3 days)	<input type="checkbox"/> 96 Hours (4 days)	<input type="checkbox"/> 120 Hours (5 days)
<input type="checkbox"/> Wipe	<input type="checkbox"/> Wastewater		<input type="checkbox"/> 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

PCM - Air <input type="checkbox"/> NIOSH 7400(A) Issue 2: August 1994 <input type="checkbox"/> OSHA w/TWA <input type="checkbox"/> Other:	TEM Air <input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II	TEM WATER <input type="checkbox"/> EPA 100.1 <input type="checkbox"/> EPA 100.2 <input type="checkbox"/> NYS 198.2
PLM - Bulk <input checked="" type="checkbox"/> EPA 600/R-93/116 <input type="checkbox"/> EPA Point Count <input type="checkbox"/> NY Stratified Point Count <input type="checkbox"/> PLM NOB (Gravimetric) NYS 198.1 <input type="checkbox"/> NIOSH 9002: <input type="checkbox"/> EMSL Standard Addition:	TEM BULK <input type="checkbox"/> Drop Mount (Qualitative) <input type="checkbox"/> Chatfield SOP - 1988-02 <input type="checkbox"/> TEM NOB (Gravimetric) NYS 198.4 <input type="checkbox"/> EMSL Standard Addition:	TEM Microvac/Wipe <input type="checkbox"/> ASTM D 5755-95 (quantative method) <input type="checkbox"/> Wipe Qualitative
SEM Air or Bulk <input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative	PLM Soil <input type="checkbox"/> EPA Protocol Qualitative <input type="checkbox"/> EPA Protocol Quantitative <input type="checkbox"/> EMSL MSD 9000 Method fibers/gram	XRD <input type="checkbox"/> Asbestos <input type="checkbox"/> Silica NIOSH 7500
		OTHER <input type="checkbox"/>

Received at EMSL Analytical, Inc. San Leandro, CA (888) 455-3675	
By	<i>[Signature]</i>
Date	10/20/00



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Seattle, WA 98108

Inspector:

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-01A	BASEMENT, WEST CENTER	
NHCU-01B	BASEMENT, SOUTH SIDE	
NHCU-01C	BASEMENT, NE SIDE	
D		
E		
F		
G		

Notes:

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA

Project #: 183810338

Task #:

~~207.000~~

206.000

Site Name: Seattle VA, Puget Sound

Site Address: 1660 S Columbian Way

Seattle, WA 98108

10

Inspector:

11/19/09
AF/SLM/ASM

MATERIAL	
HM#	NHC4-02
Material Type:	Gypsum Board
Color:	White
Texture:	Smooth
Description:	White
Total Qty.:	

[illegible]

SAMPLES			Lab Results
Sample #	Sample Location		
NHCU-02A	BASEMENT, N. COLUMN, EAST SIDE		
NHCU-02B	BASEMENT, S. COLUMN, EAST SIDE		
NHCU-02C	BASEMENT, N. COLUMN CENTER		
NHCU-02D	FLOOR 1, ROOMING		
NHCU-02E	Floor 1, Room 124		
F			
G			

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

Notes: ANALYZE GYRUM BOARD ONLY

Relinquished By: Emily Manner Date: 11/19/09 Received By: _____

Date: 11/19/09

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09

Inspector: AF/OLM/DSM

Seattle, WA 98108

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-03A	BASEMENT, N. COLUMN, EAST SIDE	
NHCU-03B	BASEMENT, S. COLUMN, EAST SIDE	
NHCU-03C	BASEMENT, N. COLUMN, CENTER	
NHCU-03D	BASEMENT FLOOR 1, Room 126	
NHCU-03E	Floor 1, Room 124	
F		
G		

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Notes:

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-04A	BASEMENT, NE SIDE	
NHCU-04B	BASEMENT, N. SIDE	
NHCU-04C	BASEMENT, S. SIDE	
D		
E		
F		
G		

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

FIBERGLASS

Date:



Asbestos Bulk Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Site Name: Seattle VA, Puget Sound Date: 11/19/09
Project #: 183810338 Task #: -207000 Site Address: 1660 S Columbian Way Inspector: AF/OLM/OSM
206.000 Seattle, WA 98108

MATERIAL	
HM#	NHCU-05
Material Type:	ACOUSTIC CEILING TILE
Color:	WHITE
Texture:	SMOOTH
Description:	2'x2' Dots & fissures
Total Qty.:	

MATERIAL LOCATIONS		
Floor #	Location	Quantity Estimate
1	T/O FLOOR 1	6

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-05A	FLOOR 1, ROOM 116	
NHCU-05B	FLOOR 1, ROOM 124	
NHCU-05C	FLOOR 1, ROOM 139	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT		
Frangible:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Relinquished By: Shirley Manning Date: 11/19/09 Received By: _____ Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

MATERIAL	
HM#	NHCU-06
Material Type:	COVE BASE ADHESIVE
Color:	BROWN
Texture:	N/A
Description:	N/A
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-06 A	Floor 1, Room 116	
NHCU-06 B	Floor 1, Room 124	
NHCU-06 C	Floor 1, Room 139	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT					
	Friable:	Yes		No	
		Contact by Maintenance:	Low	Med	High
		Vibration:	Low	Med	High
		Air Movement:	Low	Med	High

Relinquished By: Samuel M. Manning Date: 11/19/09

Received By: _____ Date: _____



Asbestos Bulk Sample Log

3017 Kilgore Row, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA

Project #: 183810338

Task #:

~~207.000~~
206.000

Site Name: Seattle VA, Puget Sound

Site Address: 1660 S Columbian Way

Seattle, WA 98108

Date: 11/19/09

Inspector: AF/Dry/DSM

MATERIAL	
HM#	NH24-07
Material Type:	VFT
Color:	BEIGE, MARbled
Texture:	N/A
Description:	12" x 12"
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-07 A	Floor 1, Room 116	
NHCU-07 B	Floor 1, Room 124	
NHCU-07 C	Floor 1, Room 139	
D		
E		
F		
G		

HAZARD ASSESSMENT				
	Friable:	Yes		No
		Low	Med	
Contact by Maintenance:		Low	Med	High
Vibration:		Low	Med	High
Air Movement:		Low	Med	High

Notes:

Relinquished By: Janella Murray

Date: 11/19/09 Received By: _____

Date:



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA
 Project #: 183810338 Task #: 207.000
 : 206.000
 Site Name: Seattle VA, Puget Sound
 Site Address: 1660 S Columbian Way
 Date: 11/19/09
 Inspector: AF/DLM/DSM
 Seattle, WA 98108

MATERIAL	
HM#	NHCU-08
Material Type:	MASTIC
Color:	BLACK
Texture:	W/IX
Description:	ASSOCIATED W/ HM # NHCU-07
Total Qty.:	

[illegible]

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-08 A	Floor 1, Room 116	
NHCU-08 B	Floor 1, Room 124	
NHCU-08 C	Floor 1, Room 139	
D		
E		
F		
G		

Notes:

HAZARD ASSESSMENT			
Friable:	Yes		No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Relinquished By: Shirley Manning Date: 11/19/09 Received By: _____ Date: _____



3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Date: 11/19/09
Inspector: AF/OLM/OSM

SAMPLES		
Sample #	Sample Location	Lab Results
NHCU-09 A	FLOOR 1, MECHANICAL ROOM 139	
B		
C		
D		
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Notes:

Date:



Chain of Custody

Lead Lab Services

EMSL Analytical, Inc.
3 Cooper Street
Westmont, NJ 08108

Phone: (856) 858-4800
Fax: (856) 858-3899
<http://www.emsl.com>

Please print all information legibly.

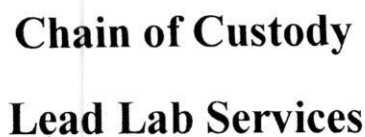
Company:	Stantec Consulting Corporation	Bill To:	Stantec Consulting Corporation
Address1:	3017 Kilgore Road, Suite 100	Address1:	3017 Kilgore Road, Suite 100
Address2:		Address2:	
City, State:	Rancho Cordova, CA	City, State:	Rancho Cordova, CA
Zip/Post Code:	95677	Zip/Post Code:	95677
Country:	USA	Country:	USA
Contact Name:	Danielle Manning	Attn:	Danielle Manning
Phone:	916-861-0400	Phone:	916-861-0400
Fax:	916-861-0430	Fax:	916-861-0430
Email:	danielle.manning@stantec.com	Email:	danielle.manning@stantec.com
EMSL Rep:	Andrea Norman	P.O. Number:	Use Project #
Project Name/Number: 183810338.206.000			

MATRIX	METHOD	INSTRUMENT	RL (Reporting Limit)	TAT
Lead Chips*	SW846-7420, 3050B Mod./AOAC(974.02)	Flame Atomic Absorption	0.01% ++	5 days
Lead WasteWater	SW846-7420	Flame Atomic Absorption	0.4 mg/l water 40 mg/kg (ppm) soil	
Lead Soil +	or SW846-6010B	ICP	0.1 mg/l water 10 mg/kg (ppm) soil	
Lead in Air ***	NIOSH 7082 Mod.	Flame Atomic Absorption	4 ug/filter	
	or NIOSH 7300 Mod.	ICP	3.0 ug/filter	
Lead in Wipe^ <input type="checkbox"/> -ASTM List Wipe Type <input type="checkbox"/> -non ASTM	SW846-7420 / HUD Appendix 14.2 Digest	Flame Atomic Absorption	10 ug/wipe	
	or SW846-6010B	ICP	3.0 ug/wipe	
TCLP Lead **	SW846-1311/ 7420	Flame Atomic Absorption	0.4 mg/l (ppm)	
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
STLC Lead (California) #	CA Title 22 66261.126/ SW846-7420	Flame Atomic Absorption	0.4 mg/l (ppm)	
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
Lead in Air ****	NIOSH 7105 Mod.	Graphite Furnace Atomic Absorption	0.03 ug/filter	
Lead WasteWater	SW846-7421	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm) water	
Lead Soil +			0.03 mg/kg (ppm) soil	
Lead in Drinking Water (check state Certification requirements)	EPA 239.2 / 200.9	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm)	
Total Dust	NIOSH 0500-0600	Gravimetric Reduction	0.0001g	

TAT (Turnaround) - Same day, 24 hr - 1 Day, 2 Days, 3 Days, 4 Days, 5 Days, 6-10 Days

*, **, ***, ****, +, ++, # Please Refer to Price Quote

^ If no box is checked, non-ASTM is assumed



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<http://www.emsl.com>

[illegible]

Daniell Manning

Date: 11/25/09

Date: _____

@ The individual signing and relinquishing these samples to the laboratory attests to the accuracy of the information reported on this chain of custody.

200916910



Stantec

Paint Chip Sample Log

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Project Name: Seattle VA Site Name: Seattle VA, Puget Sound Date: 11/19/09

Project #: 183810338 Task #: 206.000 Site Address: 1660 S Columbian Way Inspector: D. Moehrie

Seattle, WA 98108

Sample Number	Room	Component	Substrate	Sample Location*	Estimated Quantity	Notes/Condition/ Paint Color
B100-01	P H	Beam	Metal	Pent house, W. tower. N. side	T/O	Red, Panel Support structure
B100-02	Elev. Lobby	Wall	Gyp. Brd.	Elev. button @ 57	T/O Floor	Tan intact (Dmg. @ Sample)
B100-03	5C-123	wall	metal/Gyp. Brd.	NE corner of Room 5C-123	T/O	Light Blue intact
B100-04	5B-stair	stair	metal	West stair well Floor # 5	T/O West stairwell	Intact, Peach colored
B100-05	1B-151c	tile	NA	Storage Room	1500 SF	Ceramic tile intact
B100-06	1B-156	wall	metal/Gyp. Board	NE corner near Sink		Purple, intact
NHCU-01	Room 116	wall	Gyp. Board	west wall soiled linen Rm.	T/O	Tan, intact

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By: [Signature] Date: 11/19/09 Received By: [Signature] Date: 11/19/09

Relinquished By: [Signature] Date: 11/19/09 Received By: [Signature] Date: 11/19/09



Stantec

Paint Chip Sample Log

3017 Kilgore Road, Suite 100
 Rancho Cordova, CA 95670
 Tel: (916) 861-0400
 Fax: (916) 861-0430

Project Name: Seattle VA

Task #: 206.000

Site Name: Seattle VA, Puget Sound

Date: 11/20/09

Project #: 183810338

Task #: 206.000

Site Address: 1660 S Columbian Way

Inspector: DSM

Seattle, WA 98108

Sample Number	Room	Component	Substrate	Sample Location*	Estimated Quantity	Notes/Condition/ Paint Color
B20-01	Retail	Wall	Gyp. Brd.	South wall Rm 106	2000 SF	Light Pink intact (Damage @ Sample too)
B20-02	Storage	Wall	Gyp. Brd.	N wall Room 110	500 SF	Light Pink intact
B20-03	N. Storage Bldg	Wall	Gyp. Brd.	E. wall in the west Room	500 SF	Beige, Fair in W. Rm only
B18-01	Conf. Rm	Wall	Gyp. Brd.	Rm 111 South wall	T/O	Tan, Intact
B18-02	Sanitar closet	Wall	ceramic tile	Rm 121	In R/R 1000 SF	Blue tile
B18-03	office	Wall	Gyp. Brd.	Rm 114 near Rm 114A	T/O	Tan, Intact (Damage @ Sample)
B18-04	Stair	Rail	metal	SW stair well	200 SF	Yellow, intact
B24-01	Corridor	Wall	Gyp board	South end of main corridor Door	T/O	Tan, intact (Damage @ Sample)

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By: [Signature]

Date: 11/20/09

Received By: Lung

Date: 11/20/09

Relinquished By: [Signature]

Date: 11/20/09

Received By: Lung

Date: 11/20/09

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Stantec

Paint Chip Sample Log

3017 Kilgore Road, Suite 100
 Rancho Cordova, CA 95670
 Tel: (916) 861-0400
 Fax: (916) 861-0430

Project Name: Seattle VASite Name: Seattle VA, Puget SoundDate: 11/20/09Project #: 183810338Task #: 206.000Site Address: 1660 S Columbian WayInspector: DSM

Seattle, WA 98108

Sample Number	Room	Component	Substrate	Sample Location*	Estimated Quantity	Notes/Condition/ Paint Color
B24-02	#50	window sill	Gyp Brd.	East window	T/O	Tan Intact
B22-01	Storage	Beam	Metal	West wall of Storage	200 SF	Light gray
B22-02	Kitchen	Wall	Gyp Board	North wall of Kitchen	1000 SF	Light tan, Generally intact
COR-01	Corridor	Wall	Gyp Board	N/S corridor to East of Bldg 20	1000 SF	Off white, intact
COR-02	Corridor	Wall	Gyp Board	E/W corridor to south of Bldg 20	1000 SF	off tan, Intact

* - Include sample dimensions if trying to achieve mg/cm².Relinquished By: [Signature]Date: 11/15/09Received By: [Signature]Date: 11/15/09Relinquished By: [Signature]Date: 11/15/09Received By: [Signature]Date: 11/15/09